

Exhibit 3A
Shares of Prescription Opioids Dispensed by Various Pharmacies
Lake County
2008–2018

	All Dispensed Opioid Prescriptions			Red Flagged Opioid Prescriptions ^[5]		
	Share of Prescriptions (1)	Share of Total MMEs (2)	Share of Dosage Units (3)	Share of Prescriptions (4)	Share of Total MMEs (5)	Share of Dosage Units (6)
CVS	22.0%	21.3%	21.7%	21.8%	21.4%	22.6%
Wal-Mart	8.1%	8.3%	8.9%	8.2%	8.1%	8.8%
Walgreens	20.6%	21.4%	21.1%	20.3%	21.3%	21.3%
Rite Aid	10.9%	18.1%	12.8%	12.4%	20.7%	14.6%
Giant Eagle	16.5%	11.1%	14.7%	12.2%	8.4%	11.6%
Non Defendants	21.8%	19.8%	20.8%	25.0%	20.1%	21.2%

Notes:

- [1] This analysis is limited to the twelve opioids identified by Dr. McCann in his processing of the ARCOS data: codeine, oxycodone, hydromorphone, hydrocodone, meperidine, morphine, oxymorphone, tapentadol, fentanyl, levorphanol, opium, and dihydrocodeine.
- [2] “Non Defendants” includes all other pharmacies identified in the OARRS data for Lake County and excludes specialty pharmacies.
- [3] “Total MME” for a prescription is calculated as: (daily MME) × (days’ supply) per prescription. Daily MME (morphine milligrams equivalent) is calculated using the following formula: drug strength × (quantity per prescription/days’ supply per prescription) × (MME conversion factor). For example, a 30 days’ supply of 5 mg oxycodone with 180 tablets has a daily MME of 45 (= 5 × (180/30) × 1.5), using a conversion factor of 1.5 mg morphine/1 mg oxycodone.
- [4] I refer to all transactions in the OARRS data as “prescriptions.” I recognize that some transactions are refills for the same prescription.
- [5] Only 13 of Mr. Catizone’s 16 revised Red Flags can be applied to the OARRS data. Flags 1 and 2, which require five-digit patient ZIP codes, and flag 13, which requires the time of dispensing, have been omitted.

Sources:

- [1] OARRS dispensing data, January 1, 2008–December 31, 2018.
- [2] Expert Report of Craig McCann and Supporting Materials, April 16, 2021.
- [3] Pharmacist Expert Supplement Opinion of Carmen A. Catizone, MS, RPh, DPh, *In Re: National Prescription Opiate Litigation*, May 19, 2021.